FIG. 1

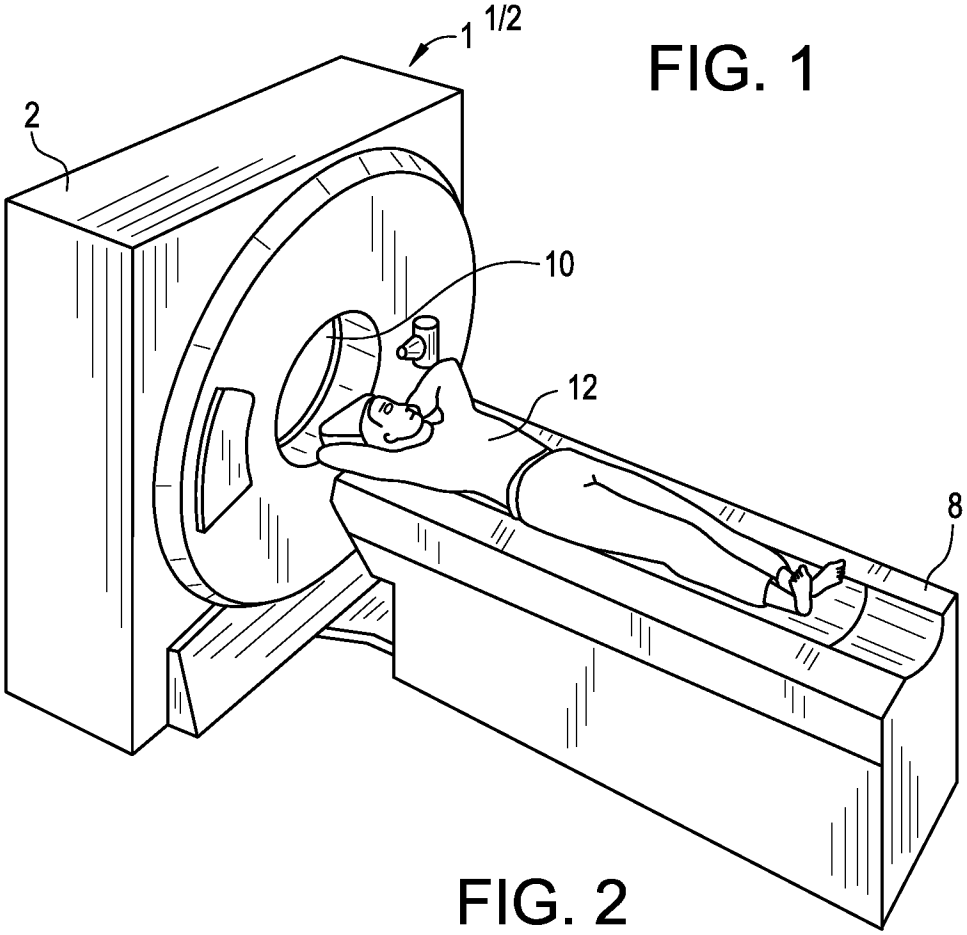

1
2
10
12
8

FIG. 2

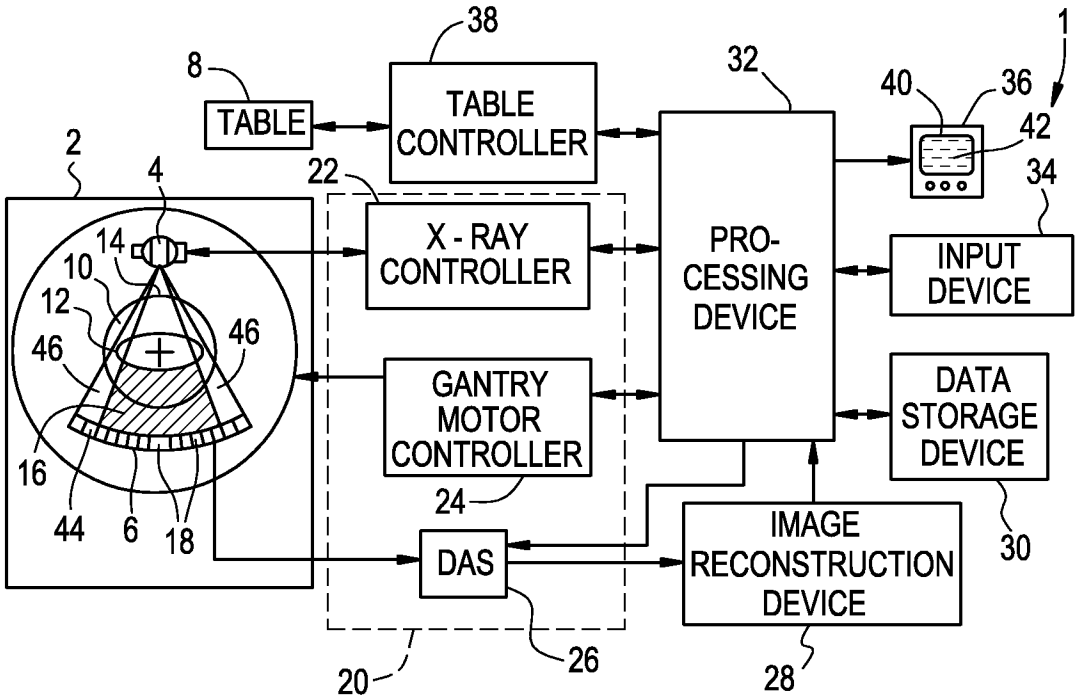
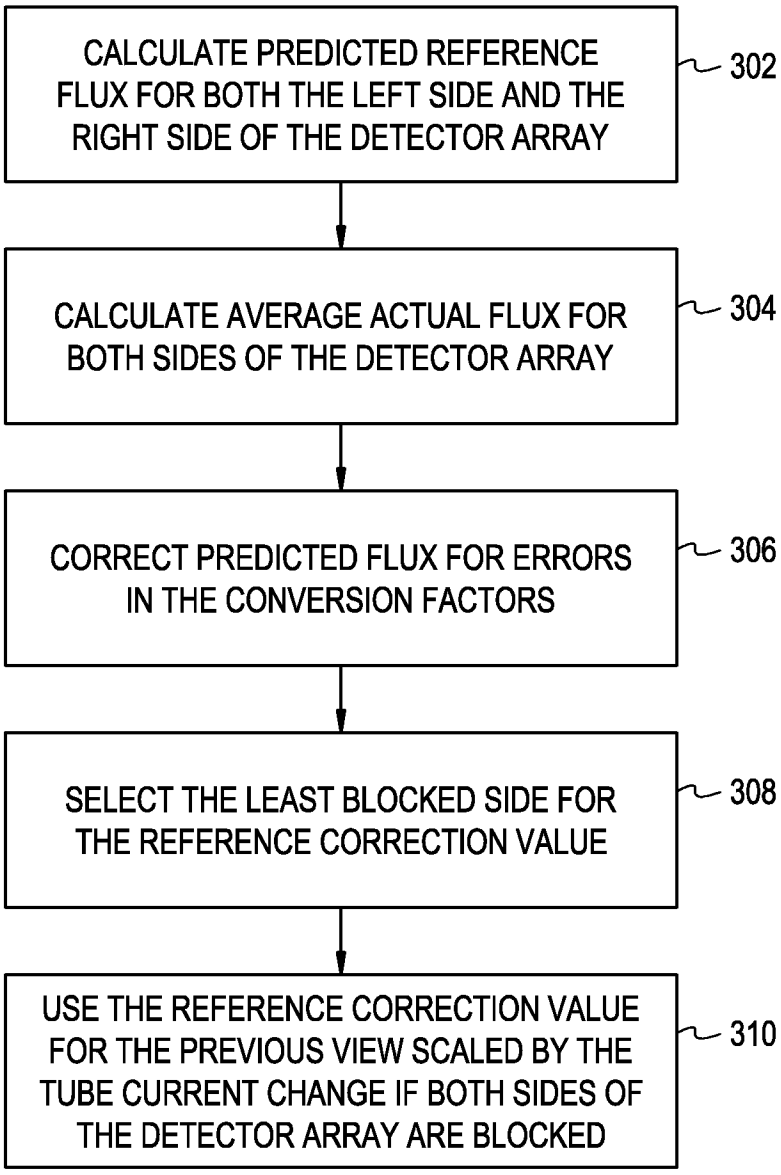

1
38
8
TABLE
TABLE CONTROLLER
32
40
36
42
34
2
4
22
X - RAY CONTROLLER
PRO-CESSING DEVICE
INPUT DEVICE
14
10
12
46
46
GANTRY MOTOR CONTROLLER
DATA STORAGE DEVICE
16
24
30
44
6
18
DAS
IMAGE RECONSTRUCTION DEVICE
20
26
28

FIG. 3


CALCULATE PREDICTED REFERENCE FLUX FOR BOTH THE LEFT SIDE AND THE RIGHT SIDE OF THE DETECTOR ARRAY
302
CALCULATE AVERAGE ACTUAL FLUX FOR BOTH SIDES OF THE DETECTOR ARRAY
304
CORRECT PREDICTED FLUX FOR ERRORS IN THE CONVERSION FACTORS
306
SELECT THE LEAST BLOCKED SIDE FOR THE REFERENCE CORRECTION VALUE
308
USE THE REFERENCE CORRECTION VALUE FOR THE PREVIOUS VIEW SCALED BY THE TUBE CURRENT CHANGE IF BOTH SIDES OF THE DETECTOR ARRAY ARE BLOCKED
310